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REMARKS

The Office Action of 09/27/2006 has been carefully considered. In response thereto, the claims have been amended as set forth above. Reconsideration in view of the present remarks is respectfully requested.

Claims 1, 3-7, 9, 14 and 15 were rejected as being unpatentable over the Tamba. Claims 2, 10, 12 and 13 were rejected as being unpatentable over Tamba in view of Petersen. The claims have been amended to more clearly distinguish over the cited references. Reconsideration is respectfully requested.

In particular, the independent claims have been amended to make clear that the voltage comparator is connected to a *variable threshold voltage* and to an output of the integrator. The variable threshold voltage provides an additional degree of freedom whereby the time constant of the slave filter may be calibrated.

In Tamba, the comparators are connected to a fixed threshold voltage, namely ground. The comparators are used to convert sinusoidal signals to square-wave signals. Tamba does not teach or suggest the arrangement of the independent claims as amended.

Withdrawal of the rejections and allowance of the application is respectfully requested.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'M. Ure', is written over a horizontal line.

Michael J. Ure, Reg. 33,089

Dated: 02/28/2007